

# Stanford Algebraic Geometry — Seminar —

## HODGE-D CONJECTURE FOR K3 AND ABELIAN SURFACES

**XI CHEN**

Alberta

### Abstract

We prove that the real regulator map is surjective on a general K3 or Abelian surface. The heart of the proof involves the use of rational curves on K3 and a degeneration argument. This is joint work with James D. Lewis.

Friday, February 6

3:15 p.m.

Room 383-N

<http://math.stanford.edu/~vakil/seminar0304/>